



FOAMULAR® PROPINK® IS

Extruded Polystyrene (XPS)

Rigid Foam Insulation



Energy-Saving*, Moisture-Resistant XPS Insulation Reinforced Insulating Sheathing for Damage Control ASTM C578 Type X, 15 psi minimum

Description

PROPINK® Insulating Sheathing is an extruded polystyrene (XPS) insulation board with a reinforced skin laminated on both sides for flexibility and extra damage control on the job-site.

Features

- Excellent long-term stable insulating performance of R-3, R-4 and R-5¹
 - XPS R-5 value per inch is better than wood fiber, plywood or 1/2" gypsum panels
- Readily combines continuous insulating sheathing to reduce thermal shorts through stud framing, with blanket insulation for a greater overall wall R-value
- Exceptional moisture resistance, long-term durability
- Limited lifetime warranty²—maintains 90% of R-value and covers all ASTM C578 properties
- Will not corrode, rot or support mold growth
- Reusable
- Lightweight, durable rigid foam panels are easy to handle and install
- Easy to saw, cut or score
- Reinforced skin provides added strength and flexibility. Its edge-to-edge laminate coverage provides excellent nail-holding at joints

1. R means the resistance to heat flow; the higher the R-value, the greater the insulating power.
 2. See actual warranty for complete details, limitations and requirements.

* Savings vary. Find out why in the seller's fact sheet on R-values. Higher R-values mean greater insulating power.

Physical Properties³

Property	Test Method ⁴	Value
Thermal Resistance ⁵ , R-value (180 day) minimum, hr·ft ² ·°F/Btu (RSI, °C·m ² /W) @ 75°F (24°C) mean temperature	ASTM C518	
1/2" Thickness		3.0 (0.53)
3/4" Thickness		4.0 (0.70)
1" Thickness		5.0 (0.88)
@ 40°F (4.4°C) mean temperature		
1/2" Thickness		3.2 (0.57)
3/4" Thickness		4.3 (0.76)
1" Thickness		5.4 (0.95)
Long Term Thermal Resistance, LTTR-value ⁵ , minimum hr·ft ² ·°F/Btu (RSI, °C·m ² /W) @ 75°F (24°C) mean temperature	CAN/ULC S770-03	
1/2" Thickness		N/A
3/4" Thickness		N/A
1" Thickness		5.0 (0.88)
Compressive Strength ⁶ , minimum psi (kPa)	ASTM D1621	15 (103)
Flexural Strength ⁷ , minimum psi (kPa)	ASTM C203	
1/2" Thickness		100 (690)
3/4" Thickness		85 (586)
1" Thickness		65 (448)
Water Absorption ⁸ , maximum % by volume	ASTM C272	0.10
Water Vapor Permeance ⁹ , maximum perm (ng/Pa·s·m ²)	ASTM E96	0.2 (11.5)
Dimensional Stability, maximum % linear change	ASTM D2126	2.0
Flame Spread ^{10, 11}	ASTM E84	30
Smoke Developed ^{10, 11, 12}	ASTM E84	75
Oxygen Index ³ , minimum % by volume	ASTM D2863	24
Service Temperature, maximum °F (°C)	—	165 (74)
Linear Coefficient of Thermal Expansion, in/in/°F (m/m/°C)	ASTM E228	3.5 x 10 ⁻⁵ (6.3 x 10 ⁻⁵)

3. Properties shown are representative values for 1" thick material, unless otherwise specified.
4. Modified as required to meet ASTM C578.
5. R means the resistance to heat flow; the higher the value, the greater the insulation power. This insulation must be installed properly to get the marked R-value. Follow the manufacturer's instructions carefully. If a manufacturer's fact sheet is not provided with the material shipment, request this and review it carefully. R-values vary depending on many factors including the mean temperature at which the test is conducted, and the age of the sample at the time of testing. Because rigid foam plastic insulation products are not all aged in accordance with the same standards, it is useful to publish comparison R-value data. The R-value for FOAMULAR® XPS insulation is provided from testing at two mean temperatures, 40°F and 75°F, and from two aging (conditioning) techniques, 180 day real-time aged (as mandated by ASTM C578) and a method of accelerated aging sometimes called "Long Term Thermal Resistance" (LTTR) per CAN/ULC S770-03. The R-value at 180 day real-time age and 75°F mean temperature is commonly used to compare products and is the value printed on the product.
6. Values at yield or 10% deflection, whichever occurs first.
7. Value at yield or 5%, whichever occurs first.
8. Data ranges from 0.00 to value shown due to the level of precision of the test method.
9. Water vapor permeance decreases as thickness increases.
10. These laboratory tests are not intended to describe the hazards presented by this material under actual fire conditions.
11. Data from Underwriters Laboratories Inc.® classified. See Classification Certificate U-197.

Applications

- Great for either wood or metal framing construction, and suits a variety of exterior finishes

Product and Packaging Data

Material				Packaging					
Extruded polystyrene closed-cell foam, ASTM C578 Type IV, 25 psi minimum				Shipped in poly-wrapped units with individually wrapped or banded bundles.					
Thickness (in)	Product Dimensions Thickness (in) x Width (in) x Length (in)	Pallet (Unit) Dimensions (typical) Width (ft) x Length (ft) x Height (ft)	Square feet per Pallet	Board feet per Pallet	Bundles per Pallet	Pieces per Bundle	Pieces per Pallet	Edges	
1/2	1/2 x 48 x 96	4 x 8 x 8	5,120	2,560	8	20	160	Square Edge	
	1/2 x 48 x 108	4 x 9 x 8	5,760	2,880	8	20	160		
3/4	3/4 x 48 x 96	4 x 8 x 8	4,096	3,072	8	16	128	Tongue & Groove	
1	1 x 48 x 96	4 x 8 x 8	3,072	3,072	8	12	96		

Available lengths and edge configurations vary by thickness. See www.owenscorning.com for current offerings. Other sizes may be available upon request. Consult your local Owens Corning representative for availability.

Standards, Codes Compliance

- This product is combustible. A protective barrier or thermal barrier is required as specified in the appropriate building code
- All construction should be evaluated for the necessity to provide vapor retarders. See current ASHRAE Handbook of Fundamentals
- PROPINK® XPS insulation reinforced insulating sheathing effectively resists mildew, corrosion and rot
- Can be used in hourly fire resistance rated exterior wall assemblies for application in office buildings, schools, shopping centers and more
- Meets ASTM C578 Type X UL Classified. A copy of UL Classification Certificate U-197 is available at www.foamular.com
- See UL ER8811-01 at UL.com
- ASTM E119 Fire Resistance Rated Wall Assemblies
- Meets California Quality Standards and HUD UM #71a
- Compliance verification by RADCO (AA-650)

Design Considerations

- For residing applications, the product can be installed directly over the existing siding to reduce air infiltration and create a smooth surface for the new exterior finish
- When using PROPINK® XPS insulation reinforced insulating sheathing, or any low perm insulating sheathing, always verify the moisture vapor flow and dew point characteristics of the wall system
- FOAMULAR® XPS insulation is a non-structural material and must be installed on framing which is independently braced and structurally adequate to meet required construction and service loading conditions

Installation

FOAMULAR® insulation can be exposed to the exterior during normal construction cycles. During that time some fading of color may begin due to UV exposure, and, if exposed for extended periods of time, some degradation or “dusting” of the polystyrene surface may begin. It is best if the product is covered within 60 days to minimize degradation. Once covered, the deterioration stops, and damage is limited to the thin top surface layers of cells. Cells below are generally unharmed and still useful insulation.

Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at www.owenscorning.com.

Warranty

FOAMULAR® XPS insulation limited lifetime warranty maintains 90% of its R-value for the lifetime of the building and covers all ASTM C578 properties. See actual warranty for complete details, limitations and requirements.

Notes

All products described here may not be available in all geographic markets. Consult your local sales office representative for more information.

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via <http://sds.owenscorning.com>.

Certifications and Sustainable Features

- GREENGUARD GOLD
- GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg
- Environmental Product Declaration (EPD) has been certified by UL Environment
- Utilizing FOAMULAR® XPS insulation can help builders achieve green building certifications including the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED®) certification
- Qualified as an ENERGY STAR® product, under the U.S. Environmental Protection Agency and the U.S. Department of Energy
- FOAMULAR® XPS insulation may qualify for The Buy American provision of the American Recovery and Reinvestment Act (ARRA)



AVERAGE 20% RECYCLED CONTENT
PRE-CONSUMER

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